

# UK Patent Application (19) GB (11) 2 271 348 (13) A

(43) Date of A Publication 13.04.1994

(21) Application No 9220804.0

(22) Date of Filing 02.10.1992

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(51) INT CL<sup>5</sup>

A61J 11/02 9/04

(52) UK CL (Edition M )

B8T TWG T16A  
U1S S1103 S1294

(56) Documents Cited

GB 2250017 A GB 1250518 A US 4828126 A  
US 4730744 A US 4505398 A US 4311245 A

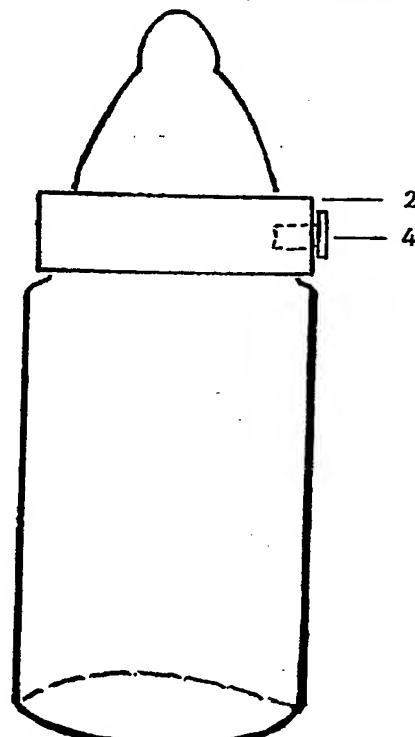
(58) Field of Search

UK CL (Edition K ) B8T TWG  
INT CL<sup>5</sup> A61J 9/04 11/02

## (54) Venting babies feeding bottles

(57) A babies feeding/drinking bottle has a valve 4 for letting air into the bottle while the baby is sucking the contents of the bottle 1. The valve 4 may be provided in the teat (Figure 3), the base of the bottle (Figure 1) or the collar 2 which secures the teat to the bottle. The valve may be a separate part fixed permanently or temporarily in position or it may be formed with its associated teat, collar or bottle or as part of an attachment for the teat, collar or bottle.

FIG. 2



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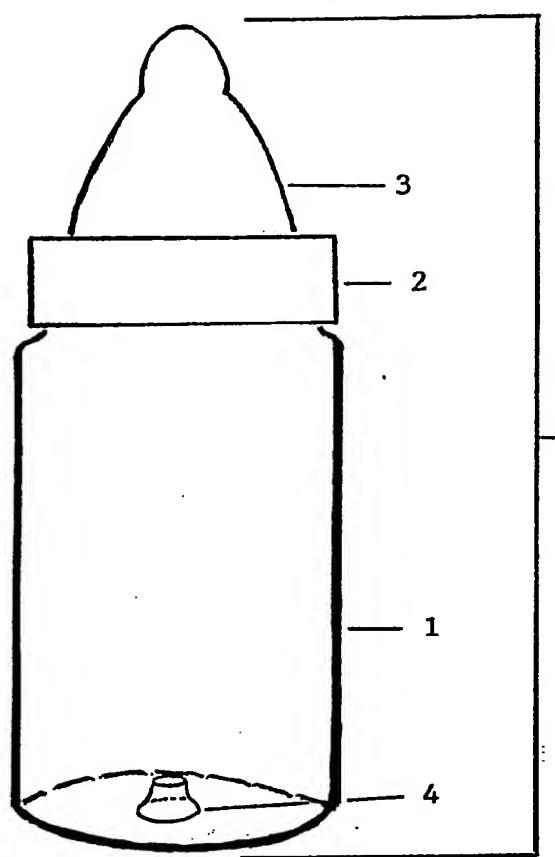


FIG. 2

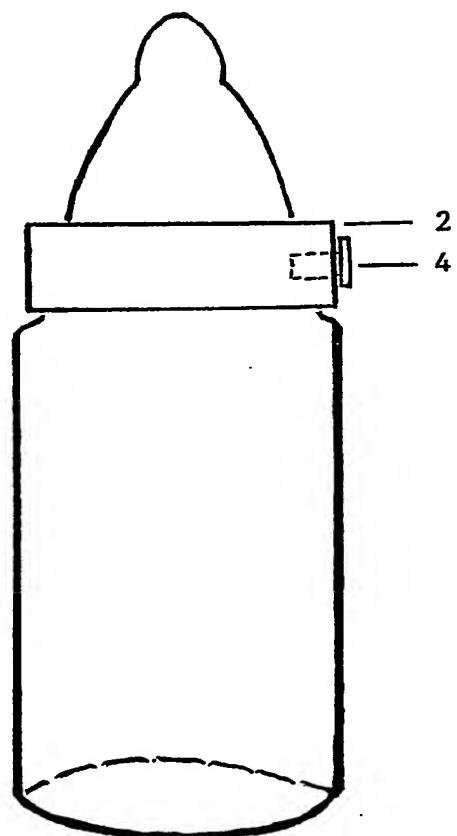
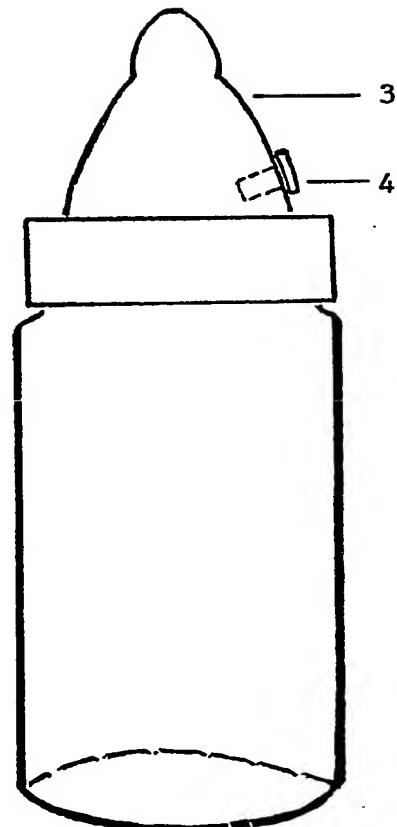


FIG. 3



**\*BABIES FEEDING/DRINKING BOTTLE**

This invention relates to a Babies feeding/drinking bottle.

A conventional Baby feeding/drinking bottle comprises a bottle, a teat and a top, which has a hole in it. The top attaches to the bottle letting part of the teat protrude through the hole in the top, yet sandwiching the wider bottom part of the teat between the bottle and itself, thus creating an air tight seal. In this conventional baby feeding/drinking bottle the only opening is on the teat, which allows the contents to come out and lets the air in when there is a vacuum in the bottle.

A baby feeding/drinking from a conventional bottle creates a bit more vacuum in the bottle with every sucking action. Occasionally the baby has to stop sucking to let the air in the bottle.

According to the present invention there is provided a babies feeding/drinking bottle fitted with a valve for air inlet into the bottle. As the baby sucks and creates a vacuum the valve will simultaneously let air in the bottle thus eliminating the vacuum and providing a consistent flow of the contents.

This valve could be placed on any component 1,2,3 Fig. 1 of the feeding/drinking bottle or any attachments made for these components. The valve can be a separate part which can be put on or taken off, it can be fixed on permanently or it can be formed together with any one of these components or any attachments made for these components

A specific embodiment of the invention will now be described by way of example with reference to the accompanying drawing in which:-

Figure 1 shows the valve 4 placed on the bottle 1. The valve can be placed any where on the bottle.

Figure 2 shows the valve 4 placed on the 'top' 2 which secures the teat in place. The valve can be placed any where on the 'top'

Figure 3 shows the valve 4 placed on the teat 3 . the valve can be placed any where on the teat.

\* From here on 'BABIES FEEDING/DRINKING BOTTLE' means not just the bottle itself but all the components that are put together to make it usable to feed a baby. See 5 Fig 1,

**CLAIMS**

- 1— A babies feeding/drinking bottle fitted with a valve for air inlet in to the bottle. As the baby sucks and creates a vacuum the valve will simultaneously let air in the bottle thus eliminating the vacuum and providing a consistent flow of the contents.
- 2— A babies feeding/drinking bottle as claimed in claim 1, the valve 4 is placed on the bottle 1 Fig 1.
- 3— A babies feeding/drinking bottle as claimed in claim 1, the valve 4 is placed on the 'top' 2, which secures the teat in place. Fig 2
- 4— A babies feeding/drinking bottle as claimed in claim 1, the valve 4 is placed on the teat 3 Fig. 3
- 5— A babies feeding/drinking bottle as claimed in claim 1, the valve 4 can be placed on an attachment which may be made for any of the components 1, 2 and 3.
- 6— A babies feeding/drinking bottle as claimed in claims 1,2,3,4 & 5 the valve 4 can be taken on or off or it can be permanently fixed or it can be formed together with any of the components 1,2 or 3 or any attachments that may be made for them.
- 7— A babies feeding/drinking bottle as claimed in claims 1,2,3,4,5 & 6 the valve 4 can be placed any where on the components 1,2 & 3 and / or any attachments that may be made for them.

Patents Act 1977  
 Examiner's report to the Comptroller under  
 Section 17 (The Search Report) 3

Application number

GB 9220804.0

Relevant Technical fields	Search Examiner
(i) UK CI (Edition K ) B8T (TWG)	
(ii) Int CI (Edition 5 ) A61J 9/04, 11/02	LINDA HARDEN
Databases (see over)	Date of Search
(i) UK Patent Office	
(ii)	5.11.92

Documents considered relevant following a search in respect of claims 1-7

Category (see over)	Identity of document and relevant passages	Relevant to claim(s)
X	GB 2250017 A (F SEPEHR) see entire document	1-7
X	GB 1250518 (W J PRITCHARD) see Figure 1	1,3,5, 6,7
X	US 4828126 (VINCINGUERRA) see in particular Figure 2 and page 1 lines 11-16	1,2,5, 6,7
X	US 4730744 (VINCINGUERRA) see Figure 1	1,2,5, 6,7
X	US 4505398 (KESSELRING) see vent 8 of Figures 1, 3-5	1,4,5, 6,7
X	US 4311245 (C MAFFEI) see page 2 line 24 to page 3 line 25	1,2,5, 6,7

Category	Identify document and relevant passages 4	Relevant to claim(s)

### Categories of documents

**X:** Document indicating lack of novelty or of inventive step.

**Y:** Document indicating lack of inventive step if combined with one or more other documents of the same category.

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